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# Datasheet for ABIN2782678 anti-NAALAD2 antibody (Middle Region)





Overview

1	
Quantity:	100 μL
Target:	NAALAD2
Binding Specificity:	Middle Region
Reactivity:	Human, Dog, Horse, Mouse, Rabbit, Rat, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAALAD2 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NAALAD2
Sequence:	HYDVLLSYPN ETNANYISIV DEHETEIFKT SYLEPPPDGY ENVTNIVPPY
Predicted Reactivity:	Cow: 92%, Dog: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 93%, Rabbit: 79%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against NAALAD2. It was validated on Western Blot.
Purification:	Affinity Purified
Target Details	

# Target: NAALAD2 Alternative Name: NAALAD2 (NAALAD2 Products)

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## Target Details

Background:	This gene is a member of the N-acetylated alpha-linked acidic dipeptidase (NAALADase) gene
	family. The representative member of this family is the gene encoding human prostate-specific
	membrane antigen (PSM), which is a marker of prostatic carcinomas and is the first to be
	shown to possess NAALADase activity. NAALADase cleaves N-acetyl-L-aspartate-L-glutamate
	(NAAG), which is a neuropeptide expressed both in the central nervous systems and in the
	periphery and is thought to function as a neurotransmitter. The product of this gene is a type II
	integral membrane protein. Transient transfection of this gene confers both NAALADase and
	dipetidyl peptidase IV activities to mammalian cells. This gene is highly expressed in ovary and
	testis as well as within discrete brain areas. Two transcript variants encoding different isoforms
	have been found for this gene.
	Alias Symbols: GCPIII, GPCIII, NAADALASE2, NAALADASE2
	Protein Size: 283
Molecular Weight:	31 kDa
Gene ID:	10003
NCBI Accession:	NM_001300930, NP_001287859
UniProt:	Q9Y3Q0

## Application Details

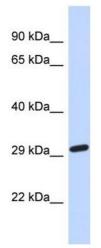
Restrictions: For Research Use only

# Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

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#### Images



#### Western Blotting

**Image 1.** Host: Rabbit Target Name: NAALAD2 Sample Type: Fetal Brain lysates Antibody Dilution: 1.0ug/ml

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